

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|----------------------------------|---|------------------|---------|------------------|
| L1 | 744 | (422/62 or 422/130) and optim\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:10 |
| L2 | 96 | L1 and residence adj time | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:10 |
| L3 | 65 | L2 and pump\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:10 |
| L4 | 32 | L3 and heat adj exchang\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:10 |
| L5 | 24 | L4 and continuous | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 12:00 |
| L6 | 604 | (436/34 or 436/55) and optim\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:12 |
| L7 | 102 | (436/34 or 436/55) and residence | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:12 |
| L8 | 65 | L6 and L7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:12 |

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| L9 | 22 | L8 and heat adj exchang\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:12 |
| L10 | 19 | L9 and continuous | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/28 09:20 |
| S1 | 109401 | (automat\$4 or monitor\$4 or control\$4) and react\$4 and inlet\$1 and outlet\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:15 |
| S2 | 9066 | S1 and (solvent\$1 or solution\$1) with pump\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:17 |
| S3 | 1559 | S2 and optimiz\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:18 |
| S4 | 1120 | S3 and analy\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:19 |
| S5 | 1120 | S4 and (coupl\$4 or connect\$4 or relat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:20 |
| S6 | 1051 | S5 and concentrat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:22 |

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| S8 | 733 | S6 and dilut\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:23 |
| S10 | 272 | S8 and reactant\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:24 |
| S11 | 0 | S8 and reactant adj pump\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:25 |
| S12 | 204 | S10 and parameter\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:26 |
| S13 | 106 | S12 and fluid adj communication | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:48 |
| S14 | 56 | ((("3,881,701") or ("4,222,671") or ("4,728,502") or ("5,209,906") or ("5,534,328") or ("5,580,523") or ("5,595,712") or ("5,641,400") or ("5,690,763") or ("5,741,466") or ("5,811,062") or ("5,928,880") or ("5,961,932") or ("5,976,472") or ("5,499,650") or ("5,698,485") or ("5,803,600") or ("6,036,927") or ("6,126,723") or ("6,171,865") or ("6,180,081") or ("6,190,034") or ("6,192,596") or ("6,221,226") or ("6,264,900") or ("4,894,146") or ("6,537,506"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:41 |
| S17 | 2 | ("20020080563").PN. or (WO00/62914) or (WO00/34728)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:41 |

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| S18 | 170 | S8 and baseline | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:47 |
| S19 | 155 | S18 and parameter\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:47 |
| S20 | 102 | S19 and fluid adj communication | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 08:48 |
| S21 | 1872 | 422/62 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:46 |
| S22 | 325 | 422/130 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:46 |
| S23 | 1421 | 422/129 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:46 |
| S24 | 500 | 436/34 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:46 |
| S25 | 1086 | 436/55 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:46 |

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| S26 | 548 | 700/266 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S27 | 89 | 700/267 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S28 | 215 | 700/270 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S29 | 109401 | (automat\$4 or monitor\$4 or control\$4) and react\$4 and inlet\$1 and outlet\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S30 | 9066 | S29 and (solvent\$1 or solution\$1) with pump\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S31 | 1559 | S30 and optimiz\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S32 | 1120 | S31 and analy\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S33 | 1120 | S32 and (coupl\$4 or connect\$4 or relat\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |

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| S34 | 1051 | S33 and concentrat\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S35 | 733 | S34 and dilut\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S36 | 170 | S35 and baseline | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S37 | 155 | S36 and parameter\$1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S38 | 102 | S37 and fluid adj communication | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:47 |
| S40 | 3 | S38 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:53 |
| S41 | 0 | S38 and S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:54 |
| S42 | 1 | S38 and S23 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:55 |

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| S43 | 1 | S38 and S24 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:56 |
| S44 | 0 | S38 and S25 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/16 12:56 |
| S45 | 743 | (422/62 or 422/130) and optim\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 09:36 |
| S46 | 96 | S45 and residence adj time | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 09:36 |
| S47 | 65 | S46 and pump\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 13:20 |
| S48 | 604 | (436/34 or 436/55) and optim\$7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 09:39 |
| S49 | 0 | S48 and residence | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 09:37 |
| S50 | 102 | (436/34 or 436/55) and residence | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 09:40 |

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| S51 | 65 | S48 and S50 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 09:40 |
| S52 | 42 | S51 and pump\$3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 13:35 |
| S53 | 10 | ("4435291" "5011613" "5057229" "5108929" "5196111" "5256307" "5422014" "5540845" "5869342" "6129104").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/27 10:04 |
| S54 | 53 | S47 and heat | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 13:34 |
| S55 | 32 | S47 and heat adj exchange\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 13:36 |
| S56 | 44 | S51 and heat | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 13:35 |
| S57 | 22 | S51 and heat adj exchange\$4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/12/27 14:32 |
| S58 | 27 | ("3881701" "4222671" "4728502" "5209906" "5534328" "5580523" "5595712" "5641400" "5690763" "5698485" "5741466" "5811062" "5928880" "5961932" "5976472" "5993750" "6036927" "6126723" "6171865" "6192596" "6221226" "6264900").PN. OR ("6537506").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/12/27 13:58 |